

Our ref: Clarrie Hall Dam Raising (SSI-65020460)

Mr David Hannah
Senior Environmental Scientist
Tweed Shire Council
Civic Centre 10-14
Tumbulgum Road
Murwillumbah NSW 2484

17 July 2025

Subject: Clarrie Hall Dam Raising (SSI-65020460) - Request for Additional Information

Dear Mr Hannah,

I refer to the Environmental Impact Statement (EIS) for Clarrie Hall Dam Raising (SSI-65020460) submitted to the Department of Planning, Housing and Infrastructure (the Department) on 19/09/2024 under section 5.17(6) of the *Environmental Planning and Assessment Act 1979*.

After careful consideration, the department is requesting that you provide additional information. You are required to submit a response to this request for information that addresses the requirements provided by the Department at **Attachment A**. You are requested to provide the information to the Department by 1 December 2025.

If you are unable to provide the requested information within this timeframe, you are required to provide, and commit to, a timeframe detailing the provision of this information.

If you have any questions, please contact Benjamin Cox on 02 9995 6524 or via email at ben.cox@planning.nsw.gov.au.

Yours sincerely,

Department of Planning, Housing and Infrastructure



B Cox

Benjamin Cox
Principal Planning Officer
Transport and Water Assessments
As nominee of the Planning Secretary

Enclosed

Attachment A

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Attachment A – Request for Information Requirements

The Request for Information (RFI), must address the following issues identified by the Department:

1. The estimated spillway size required to pass the Probable Maximum Flood (PMF) without dam overtopping at the year 2050 using scenario SSP3-7.0 ('2050 Spillway Estimates') for the existing dam height and proposed dam height. The key spillway physical parameters used in modelling to produce this information must be reported, and hydrological characteristics of the spillway described (e.g. depth-discharge rating, flow m³/s).
2. Comparison and analysis of flood events forecast for 2050 between the existing dam height and proposed dam height with the 2050 Spillway Estimates for 1, 0.5, 0.2, 0.1, 0.05 and 0.02 AEP (%) design events using scenario SSP3-7.0 ('2050 Flood Events'). The comparison must include the following:
 - a. Discussion of results for the flood level, flood velocities and duration of inundation.
 - b. Mapping to identify differences to flood extent between the existing dam and proposed dam.
 - c. Mapping to identify differences to peak flood hazard between the existing dam and proposed dam.
 - d. Mapping to identify evacuation routes and evacuation centres used in local and state emergency management plan arrangements, and discussion about the ongoing suitability of the evacuation routes and evacuation centre locations having regard to 2050 Flood Events.
 - e. Analysis and discussion comparing 2050 Flood Events with current flood planning levels in Tweed Shire Council LGA.

Note: Flood planning levels would include information about any 1% AEP flood planning level, and other flood planning level used in planning decision making by Council that is not the 1% AEP level (e.g. based on historical flood information held by Council).
3. Identification and discussion of changes to instream hydrology and secondary environmental impacts comparing the existing dam height and proposed dam height for 2050 Flood Events (i.e. in stream depth, geomorphology, bank erosion, aquatic ecology).

4. The estimated spillway size that would be required to pass the PMF flow without dam overtopping at the year 2100 using scenario SSP5-8.5 data and information, or using scenario RCP8.5 data and information with the prior written agreement of the Department. The key spillway physical parameters used in the modelling must be reported, and the key spillway hydrological information described (e.g. depth-discharge, flow m³/s).